Recombinant Mouse Pdgfra Protein, Myc/DDK-tagged

Cat. No. Pdgfra-4758M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length platelet derived growth factor receptor, alpha polypeptide (Pdgfra), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	This gene encodes a member of the receptor tyrosine kinase family of proteins. Binding of platelet-derived growth factor protein ligands to this receptor triggers receptor dimerization and autophosphorylation, resulting in the activation of several downstream signaling pathways. Signaling through the encoded receptor plays a role in gastrulation and the development of nearly all organ systems. Mice lacking a functional copy of this gene reportedly exhibit defects in lung, skeleton, testis and the central nervous system, and die soon after birth. Alternative splicing and intronic polyadenylation of gene transcripts have been implicated in muscle regeneration and fibrosis in adult mice.
Molecular Mass	123.1 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

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Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 μg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Pdgfra platelet derived growth factor receptor, alpha polypeptide [Mus musculus (house mouse)]
Official Symbol	Pdgfra
Synonyms	PDGFRA; platelet derived growth factor receptor, alpha polypeptide; platelet-derived growth factor receptor alpha; PDGFR-alpha; PDGF-R-alpha; PDGF alpha chain; CD140 antigen-like family member A; platelet-derived growth factor alpha receptor; alpha-type platelet-derived growth factor receptor; Alpha platelet-derived growth factor receptor precursor (PDGF-R-alpha); CD140a; Pdgfr-2; AI115593
Gene ID	18595
mRNA Refseq	NM_001083316
Protein Refseq	NP_001076785
UniProt ID	P26618

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